

CLAIMS

What is claimed is:

1. An object-oriented system for assembling a document, the system comprising:
a plurality of terms;
a plurality of objects, each of said plurality of objects including an object tag and at least one of said plurality of objects including at least one of said plurality of terms; and
a plurality of grammar lines, each of said plurality of grammar lines including a condition and an instruction, at least one of said conditions including at least one of said plurality of terms;
wherein, when the condition of one of said plurality of grammar lines is true, then said instruction associated with said condition is executed thereby assembling at least a portion of said document.
2. The system of claim 1, wherein:
at least one of said plurality of terms includes an economic term associated with a financial transaction and said document is a confirmation of said transaction.
3. The system of claim 1, wherein:
at least one of said plurality of objects includes a fixed text portion.
4. The system of claim 1, wherein:
at least one of said plurality of objects includes a visual image.

5. The system of claim 3, wherein:

said at least one instruction includes at least one of said object tags and executing said instruction includes inserting said object associated with said at least one of said object tags into said document.

6. The system of claim 1, wherein:

each of said plurality of grammar lines includes a grammar tag, said instruction includes at least one of said grammar tags and executing said instruction includes testing said condition associated with each of said plurality of grammar lines having said at least one of said grammar tags, and executing said instruction associated with said condition associated with one of said plurality of grammar lines having said at least one of said grammar tags if said condition is true.

7. The system of claim 1, wherein:

each of said plurality of grammar lines includes a grammar tag and at least two of said plurality of grammar lines have identical grammar tags.

8. The system of claim 7, wherein:

said conditions of said at least two of said plurality of grammar lines are mutually exclusive.

9. The system of claim 7, wherein:

one of said at least two of said plurality of grammar lines includes a default tag, said condition of said one of said at least two of said plurality of grammar lines is always true and said conditions of the remaining of said at least two of said plurality of grammar lines are mutually exclusive,

wherein, if said conditions of said remaining of said at least two of said plurality of grammar lines are not true, then said instruction associated with said one of said at least two of said plurality of grammar lines including said default tag is executed.

10. The system of claim 6, wherein:

said at least one instruction includes at least one of said object tags and executing said instruction includes inserting said object associated with said at least one of said object tags into said document.

11. The system of claim 1, wherein:

a portion of said plurality of grammar lines includes a <start> grammar tag and assembly of the document begins by executing said instruction associated with one of said portion of said plurality of grammar lines.

12. The system of claim 11, wherein:

the document is assembled when said instruction associated with one of said portion of said plurality of grammar lines is executed.

13. A method for assembling a document using an object oriented system, said system including a plurality of terms, a plurality of objects, each of said plurality of objects including an object tag and at least one of said plurality of objects including at least one of said plurality of terms, said system including a plurality of grammar lines, each of said plurality of grammar lines including a condition and an instruction, at least one of said conditions including at least one of said plurality of terms, the method comprising the steps of:

testing said condition of one of said plurality of grammar lines; and

executing said instruction associated with said condition if said condition is true.

14. The method of claim 13, wherein:

at least one of said plurality of objects includes a fixed text portion, and said instruction includes at least one of said object tags associated with said at least one of said plurality of objects including a fixed text portion, wherein the step of executing said at least one instruction includes the step of:

inserting into said document said at least one of said plurality of objects including a fixed text portion associated with said at least one of said object tags.

15. The method of claim 14, wherein:

each of said plurality of grammar lines includes a grammar tag, said instruction includes at least one of said grammar tags, wherein the step of executing the instruction includes the steps of:

testing said condition of each of said plurality of grammar lines having said at least one of said grammar tags; and

executing said instruction associated with said condition associated with said at least one of said grammar tags if said condition is true.

16. The method of claim 13, wherein:

each of said plurality of grammar lines includes a grammar tag and at least two of said plurality of grammar lines have identical grammar tags.

17. The method of claim 16, wherein:

said conditions of said at least two of said plurality of grammar lines are mutually exclusive.

18. The method of claim 16, wherein one of said at least two of said plurality of grammar lines includes a default tag, said condition of said one of said at least two of said plurality of grammar lines is always true and said conditions of the remaining of said at least two of said plurality of grammar lines are mutually exclusive, wherein the method further comprises the steps of:
- testing said condition of each of said remaining of said at least two of said plurality of grammar lines;
- executing said instruction associated with said one of said at least two of said plurality of grammar lines including said default tag if said condition of each of said remaining of said at least two of said plurality of grammar lines is not true.
19. The method of claim 13, wherein:
- a portion of said plurality of grammar lines includes a <start> grammar tag, wherein the method further comprises the step of:
- executing said instruction associated with said condition of one of said portion of said plurality of grammar lines if said condition is true.
20. The method of claim 19, further comprising the step of:
- completing assembly of the document when said instruction associated with one of said portion of said plurality of grammar lines is executed.
21. The method of claim 13, wherein:
- at least one of said plurality of terms includes an economic term associated with a financial transaction and said document is a confirmation of said transaction.